

FIG. 1

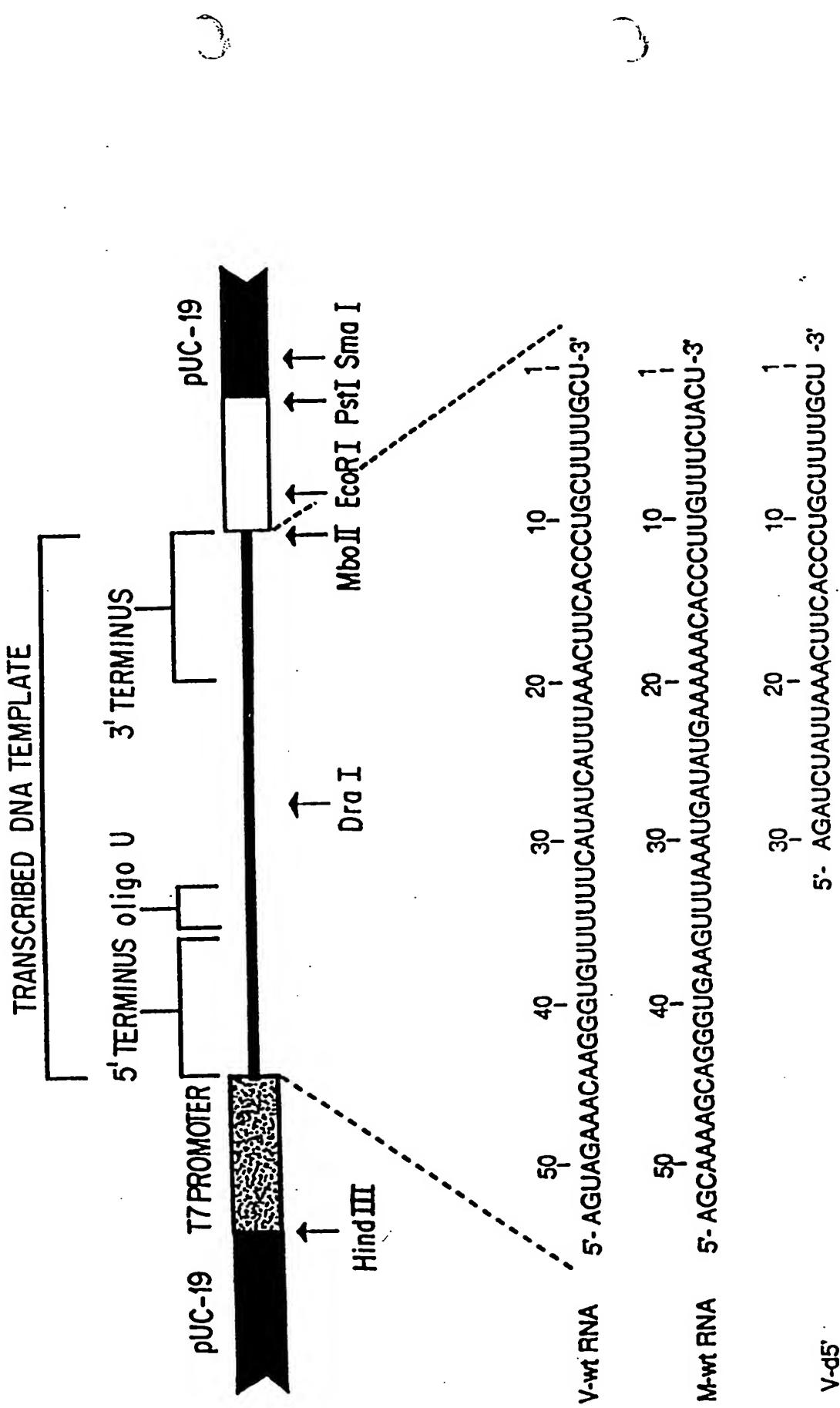


FIG. 2

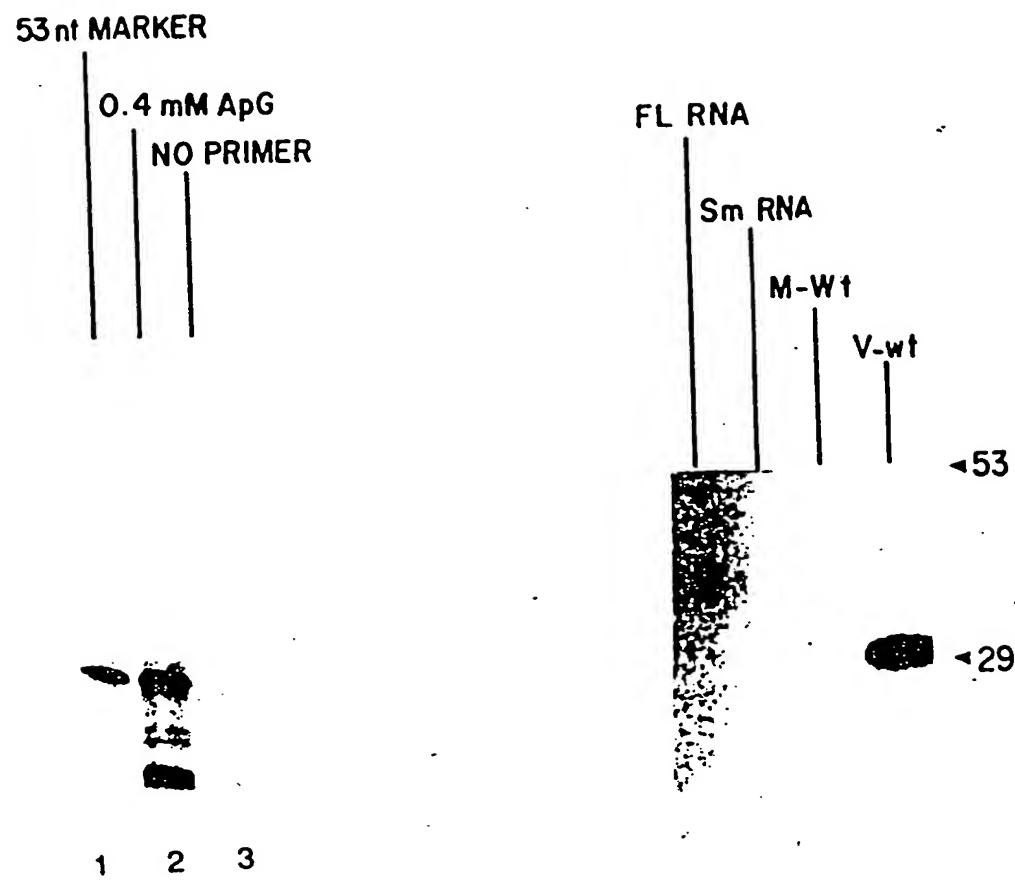


FIG. 3A

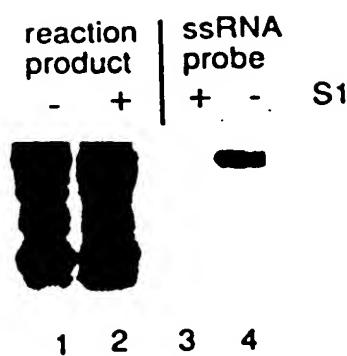


FIG. 3B



FIG. 3C

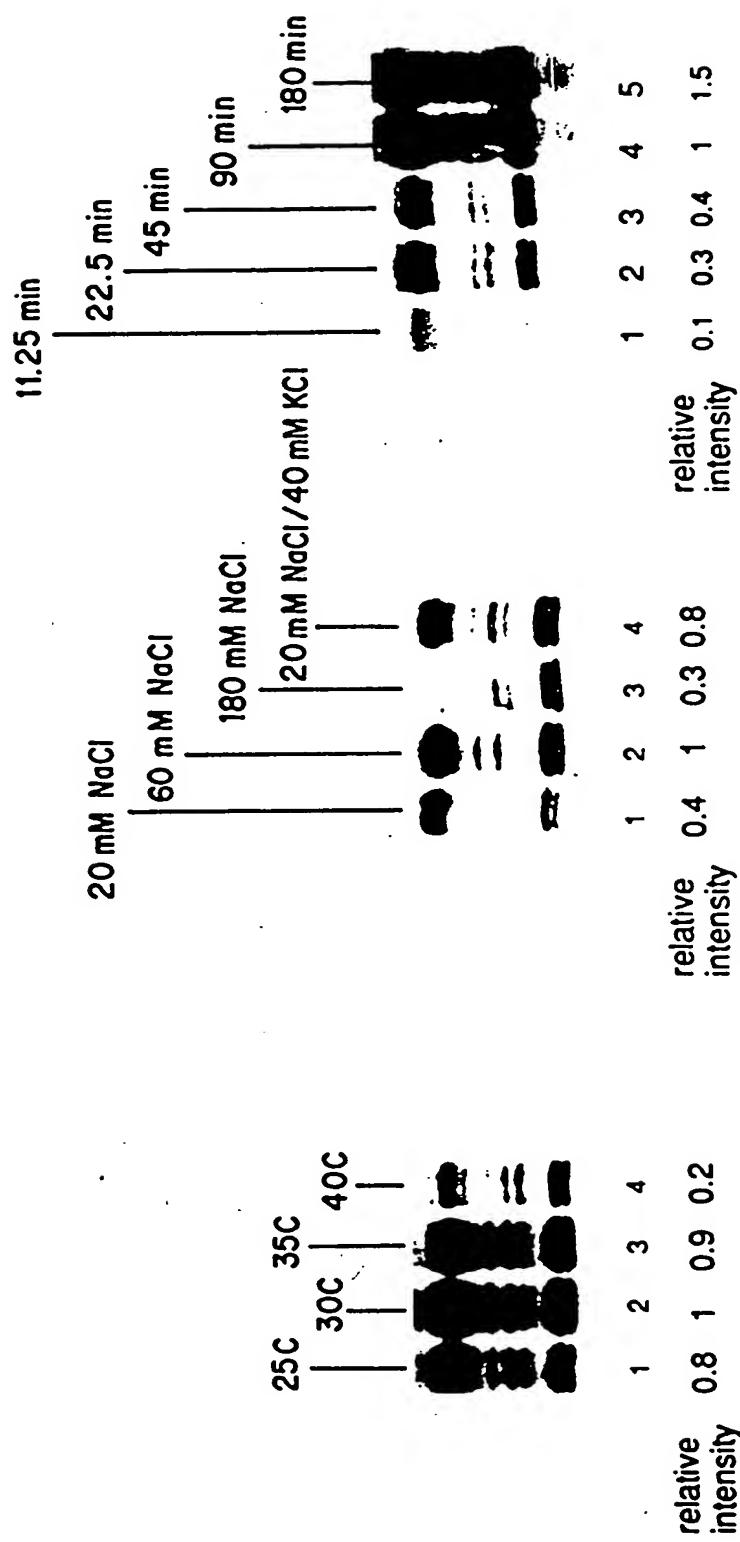


FIG. 4A

FIG. 4B

FIG. 4C

FIG. 5B

1 2 3 4 5

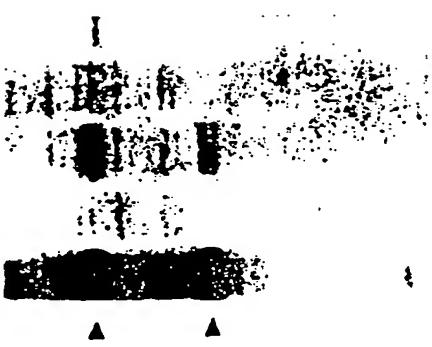
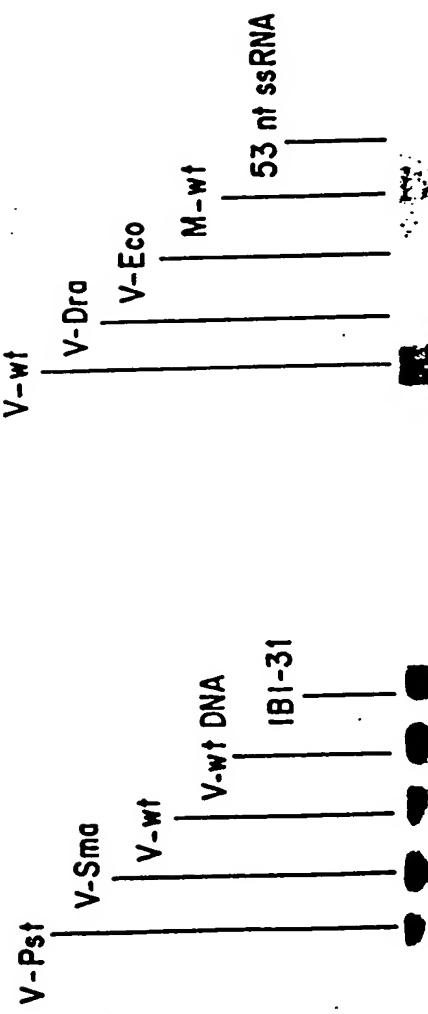


FIG. 5A



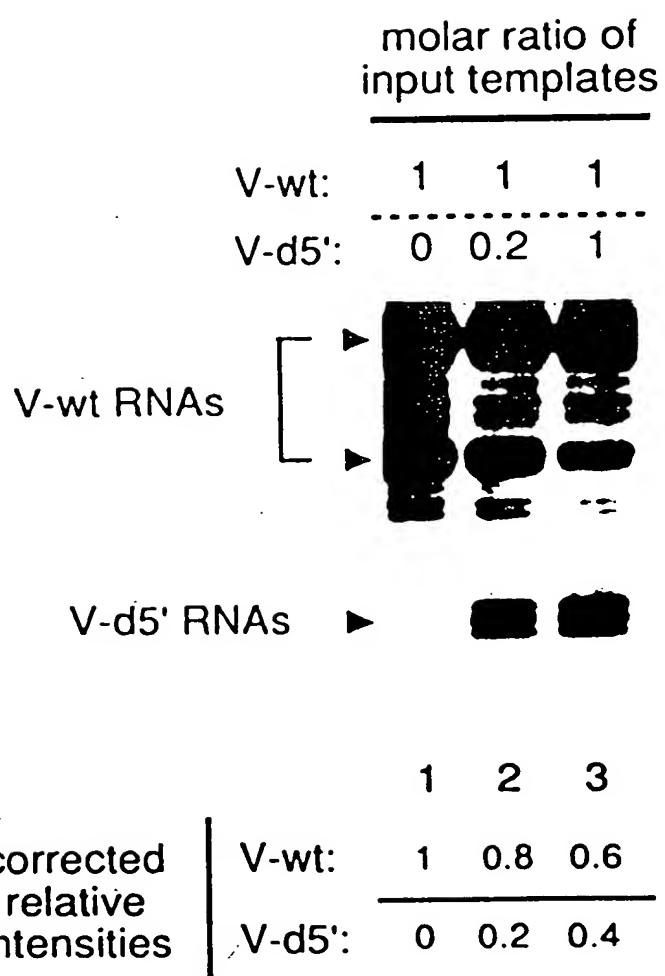


FIG. 6

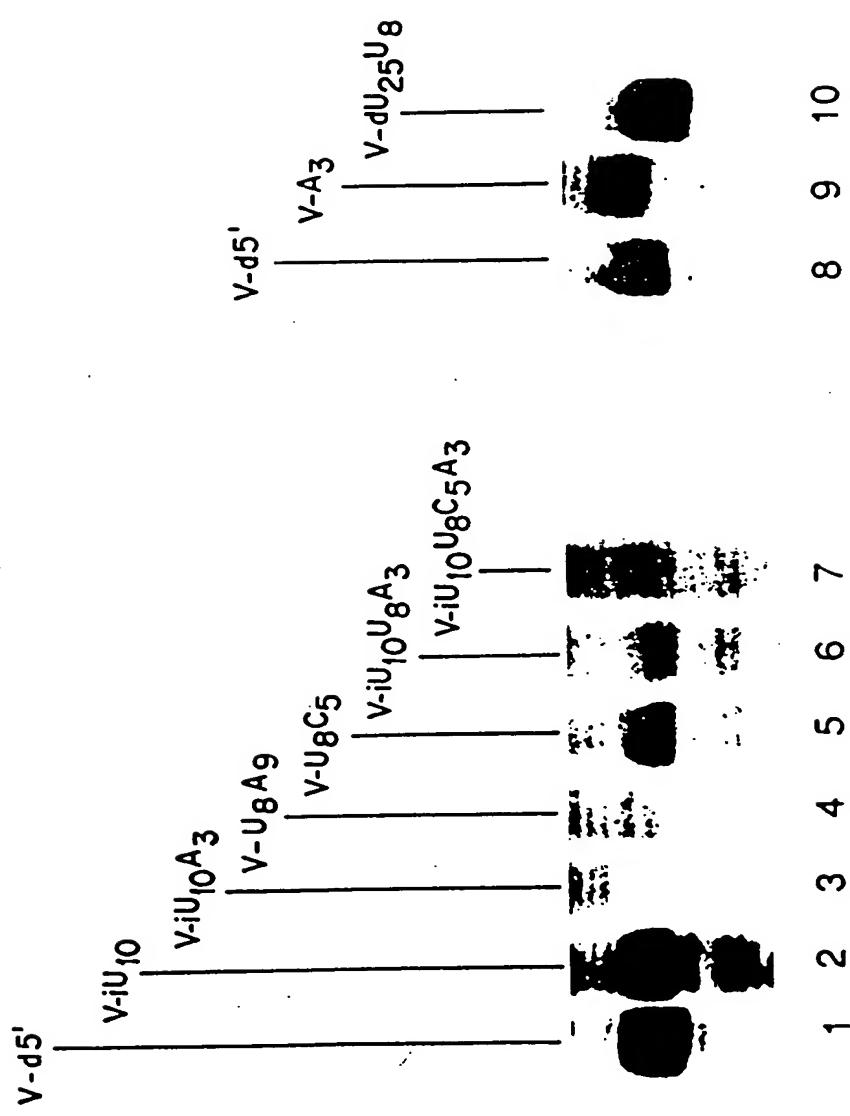
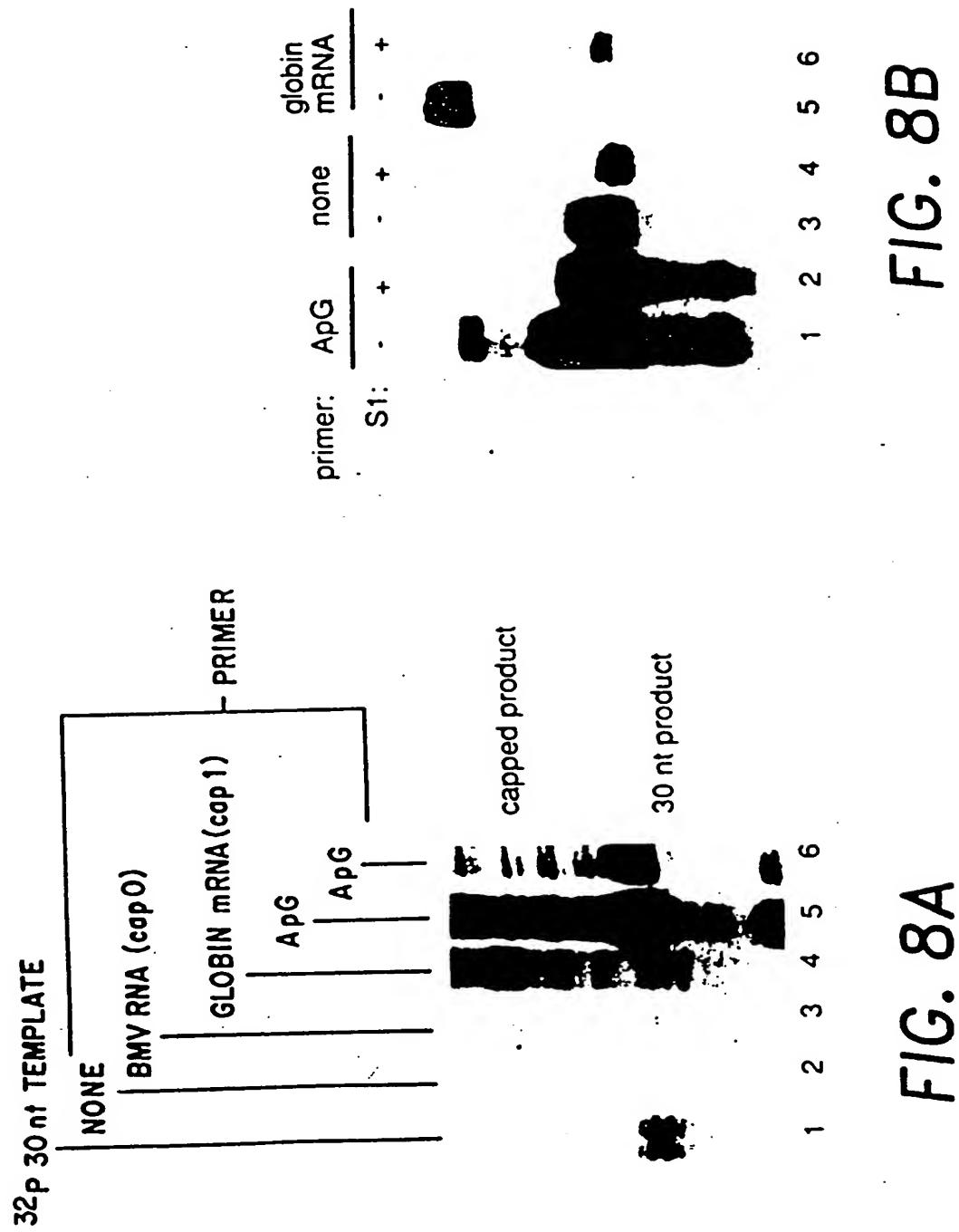


FIG. 7



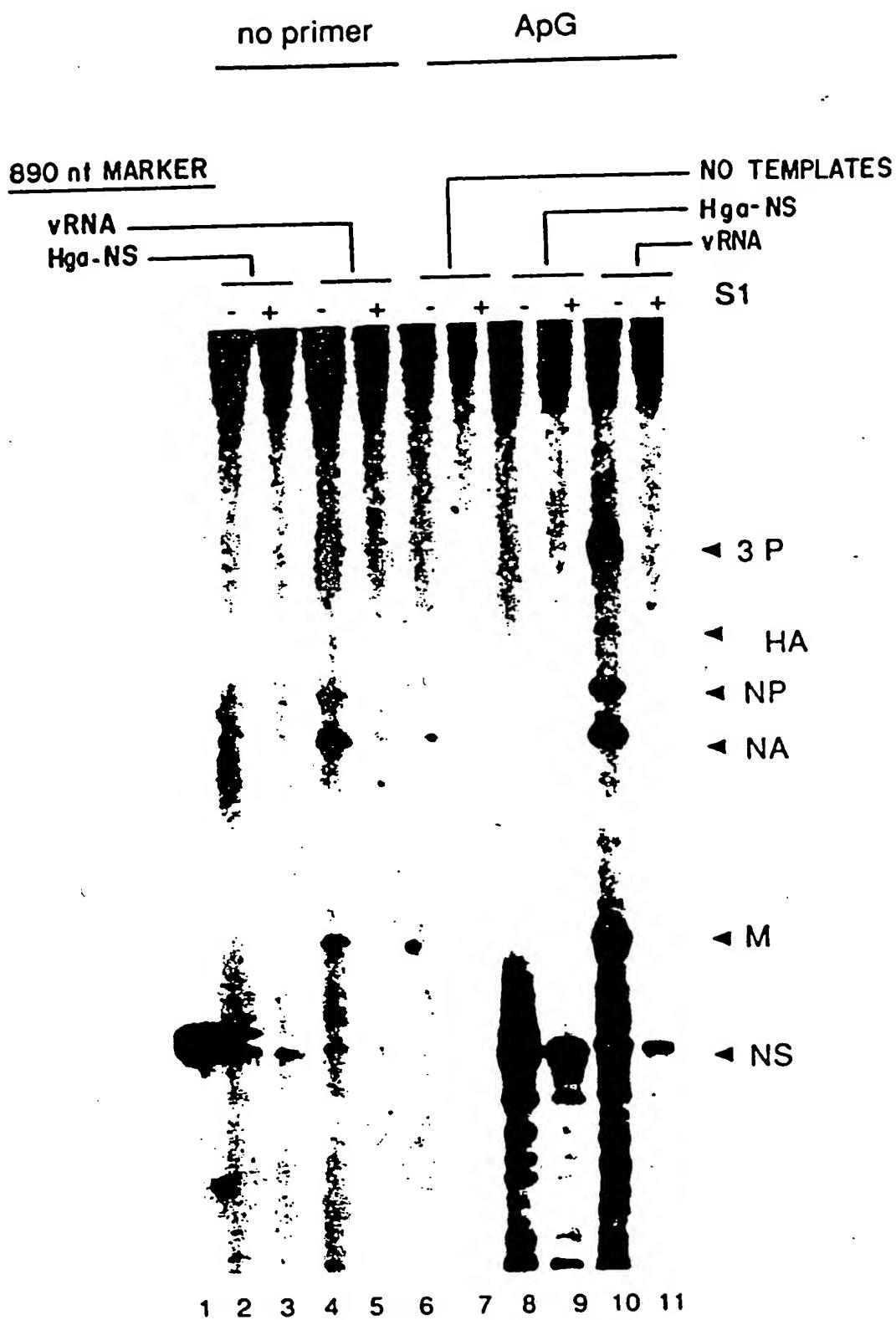
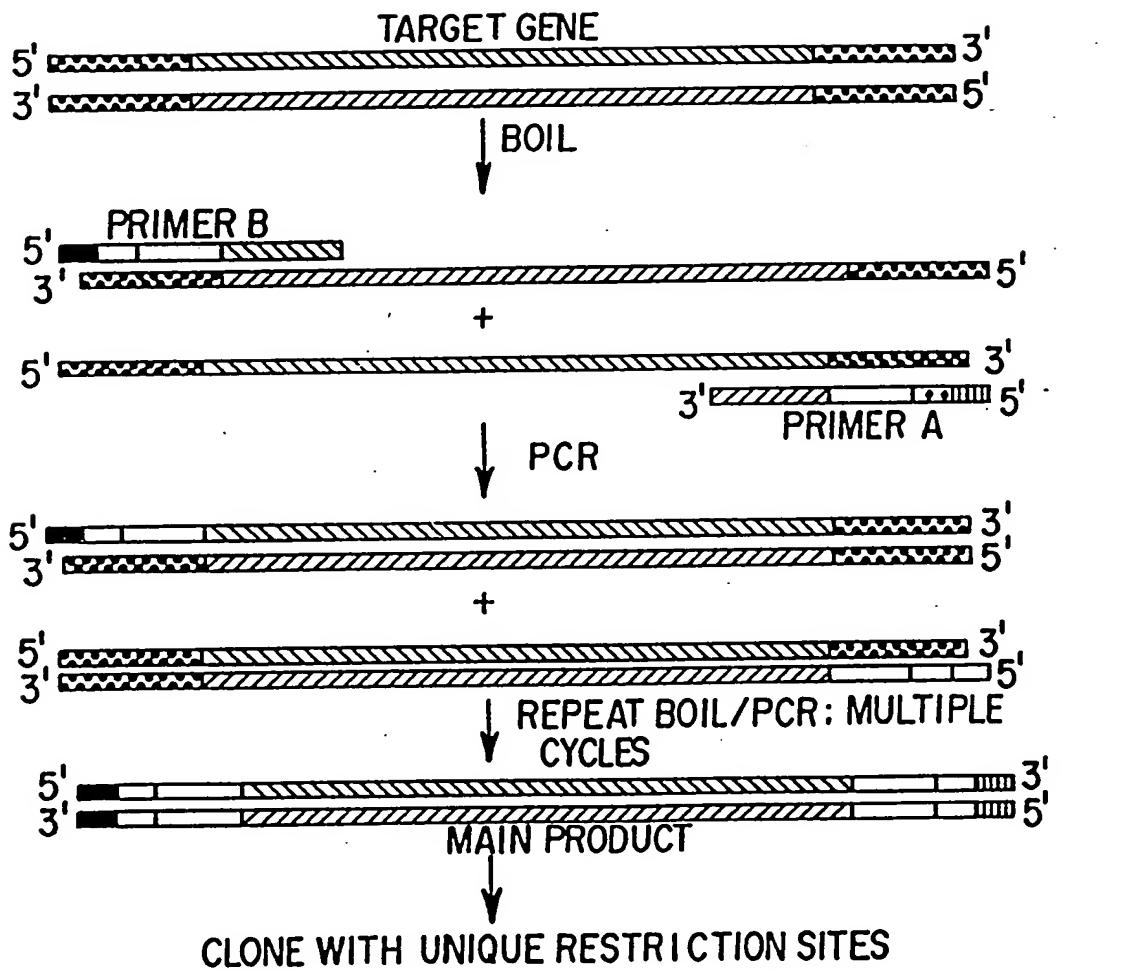


FIG. 9

FIG. 10



■■■■■ FLANKING SEQUENCE	■■■■■ PHAGE PROMOTER
■■■■■ ; ■■■■■ UNIQUE RESTRICTION SITES	■■■■■ VIRAL SEQUENCE (5' OR 3')
■■■■■ ; ■■■■■ TARGET GENE SEQUENCE	■■■■■ CLASS IIS SITE

FIG. IIIA

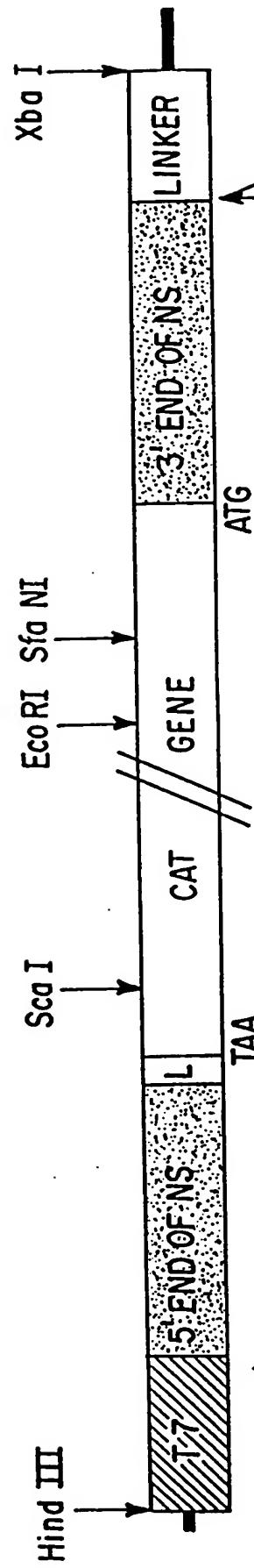
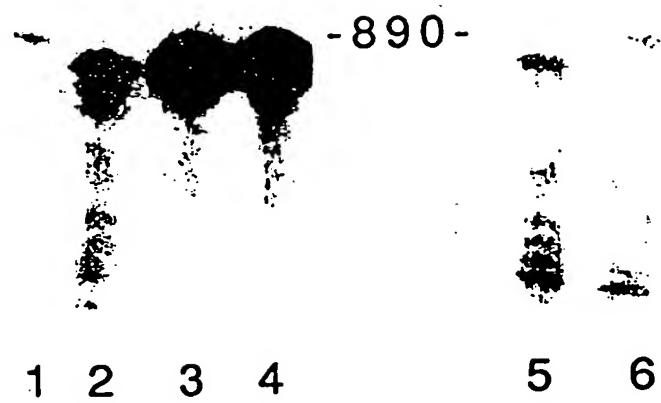


FIG. IIIB

5' AGUAGAACAAAGGGGUUUU CAGAUCUA UUACGCCCCCCC // GUCCGUUACGUUUCUCCAU UAUUCGUUUUCCGUUUUCCAU 3'

FIG. 12



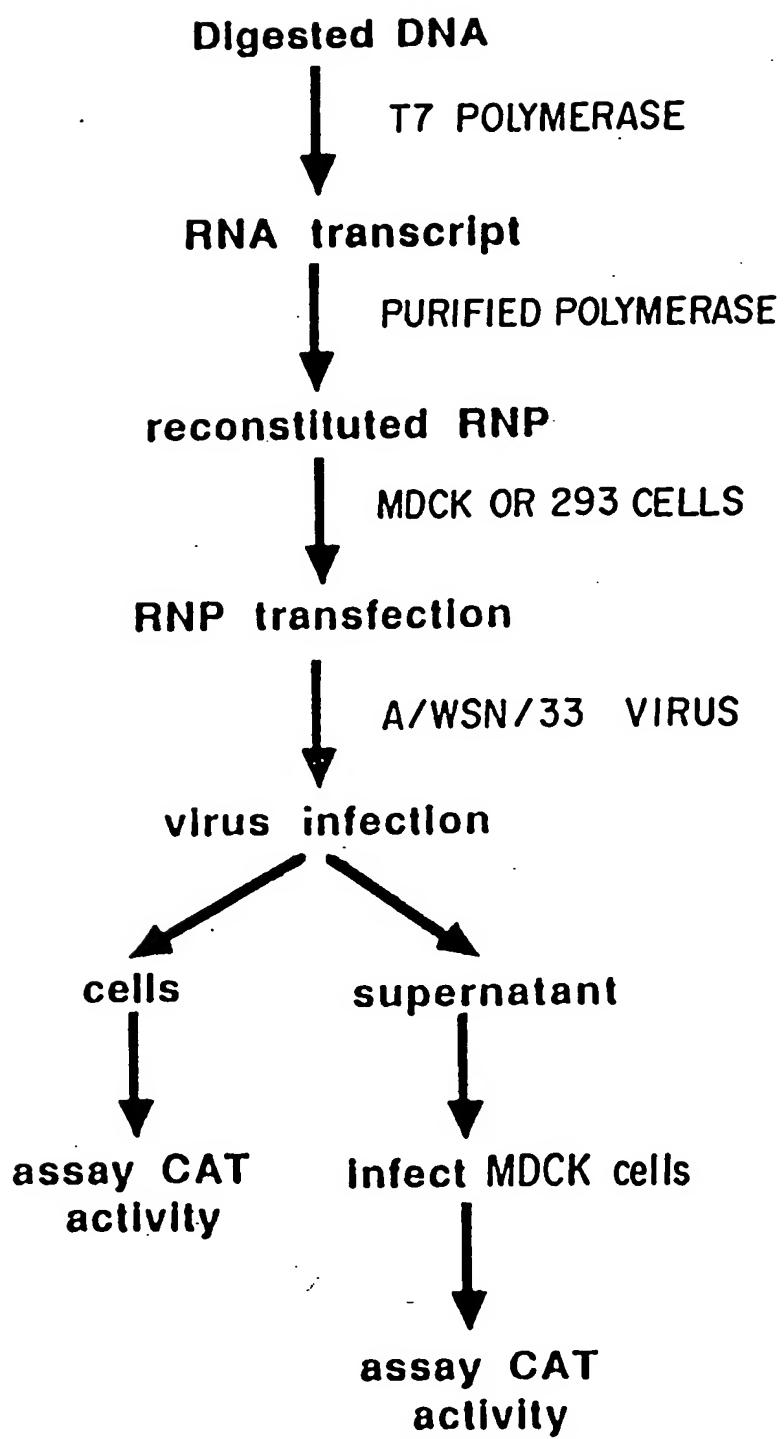


FIG. 13

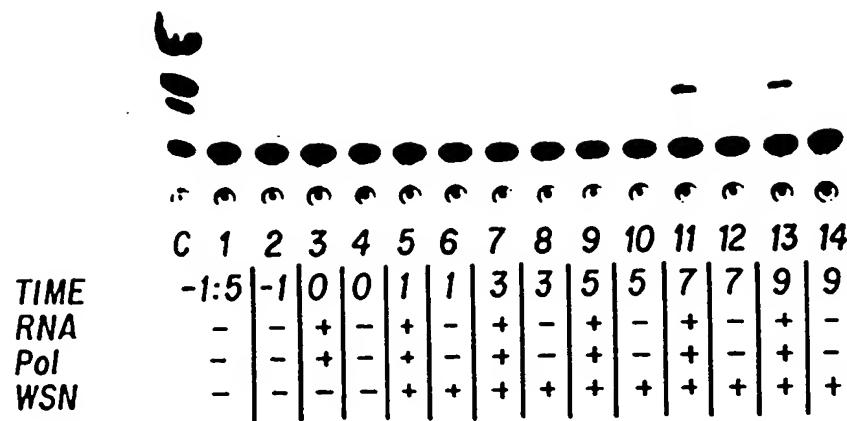


FIG. 14A

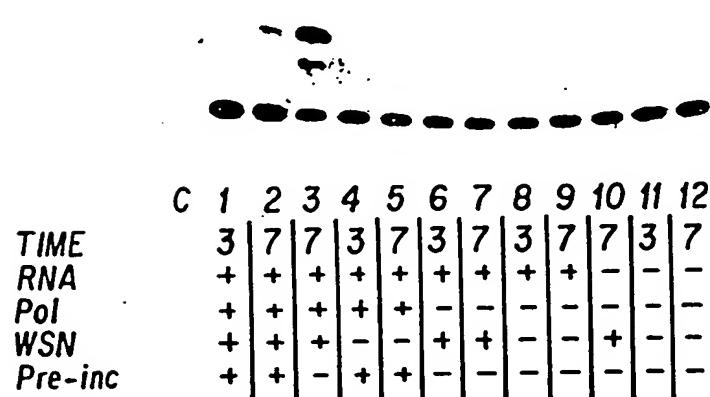


FIG. 14B

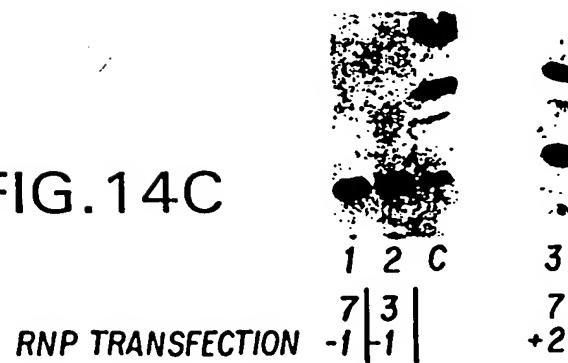
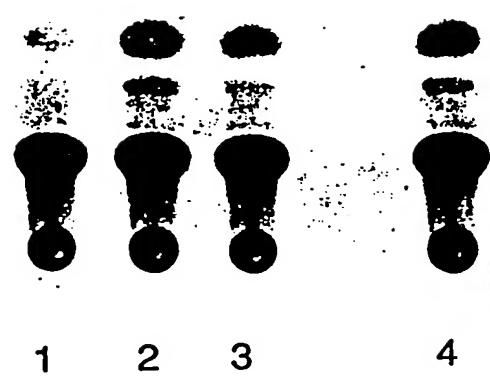
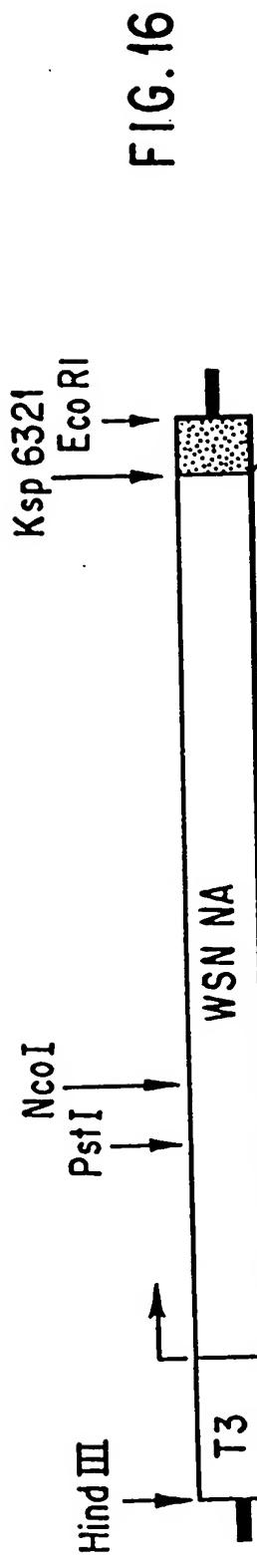


FIG. 14C

FIG. 15





T3NAv mut1
5'-AGUAGAAAACAAGGAG.....CUGGAGAUGUAUCCUAUUUAUAUCUAGGUUUUUGGUCAAGGACACCCAUGG.....CCUGCUUUUCGCCU-3'

△

T3NAv mut2
5'-AGUAGAAAACAAGGAG.....CUGGCAUAGUAUCCUAUUUAUAUCUAGGUUUUUGGUCAAGGACACCCAUGG.....CCUGCUUUUCGCCU-3'

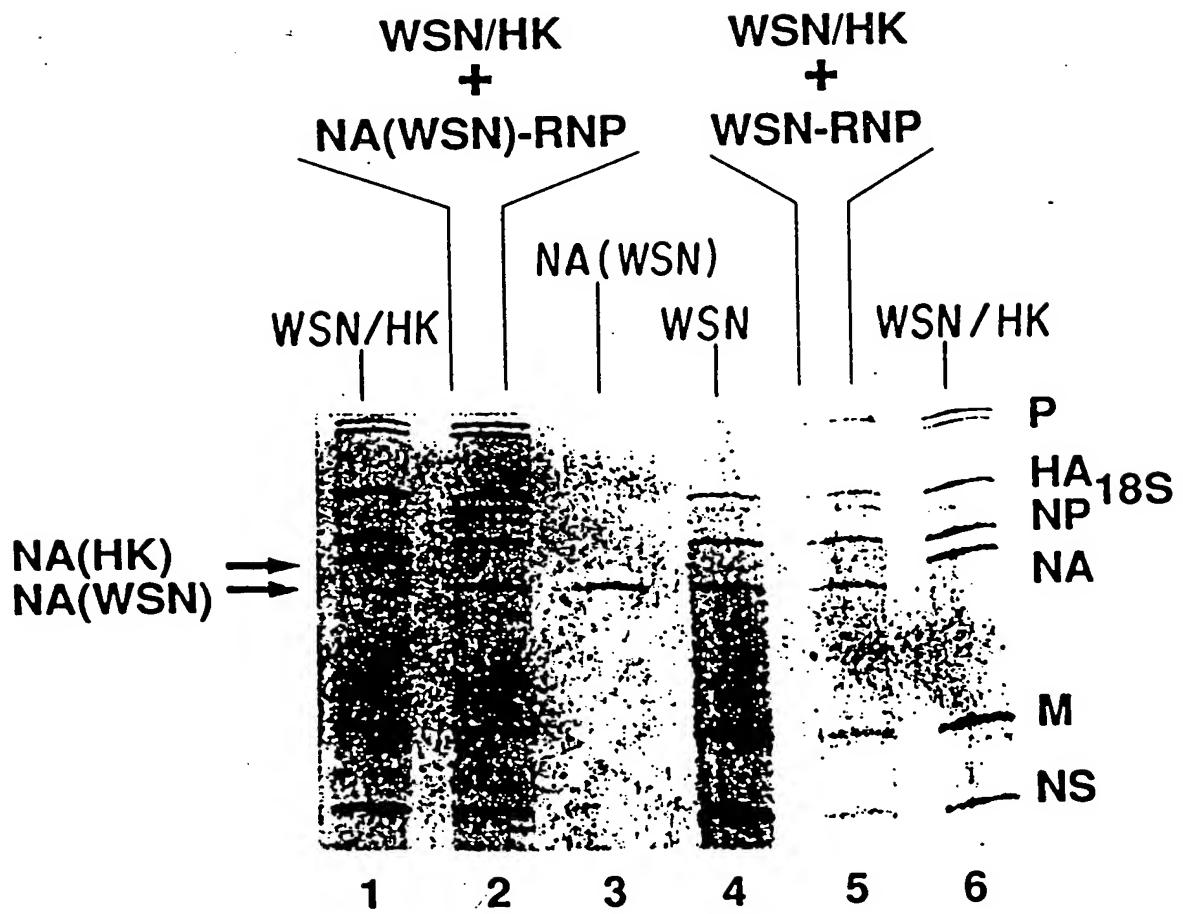


FIG. 17

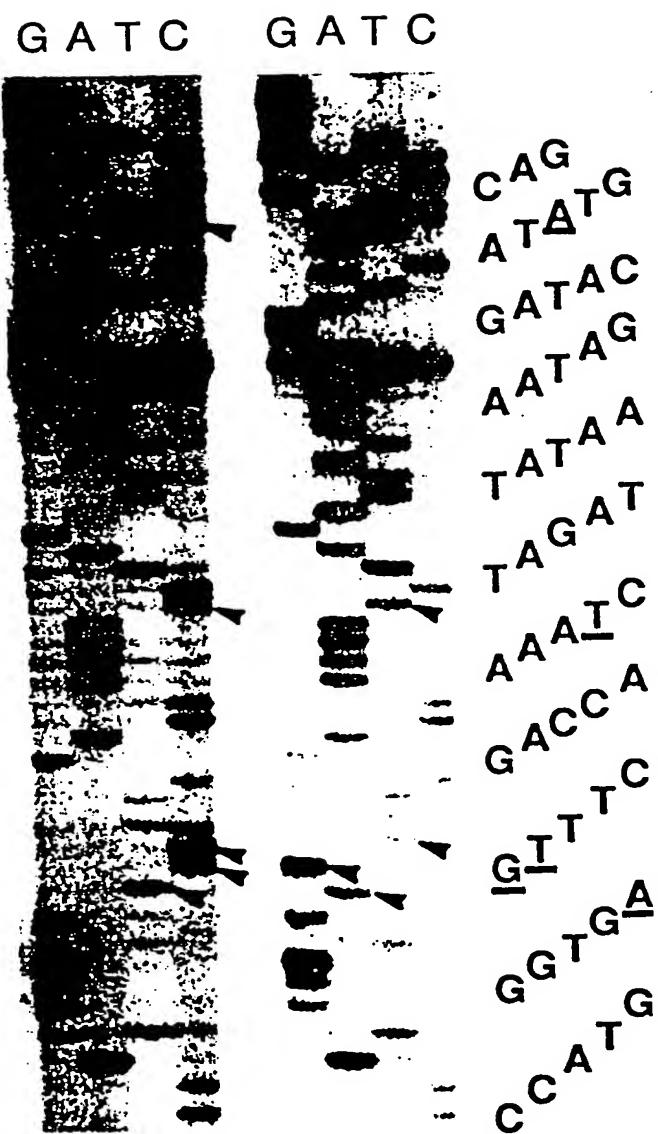


FIG. 18

FIG. 19



1	2	3	4	5	6	7	8
C	NAKED RNA NO VIRUS	NO VIRUS	INF. VIRUS	PB2	PB2 PB1	PB2 PB1 PA	PB2 PB1 PA NP



9	10	11
PB2 PA NP	PB2 PB1 PA NP	PB1 PA NP

FIG.20A

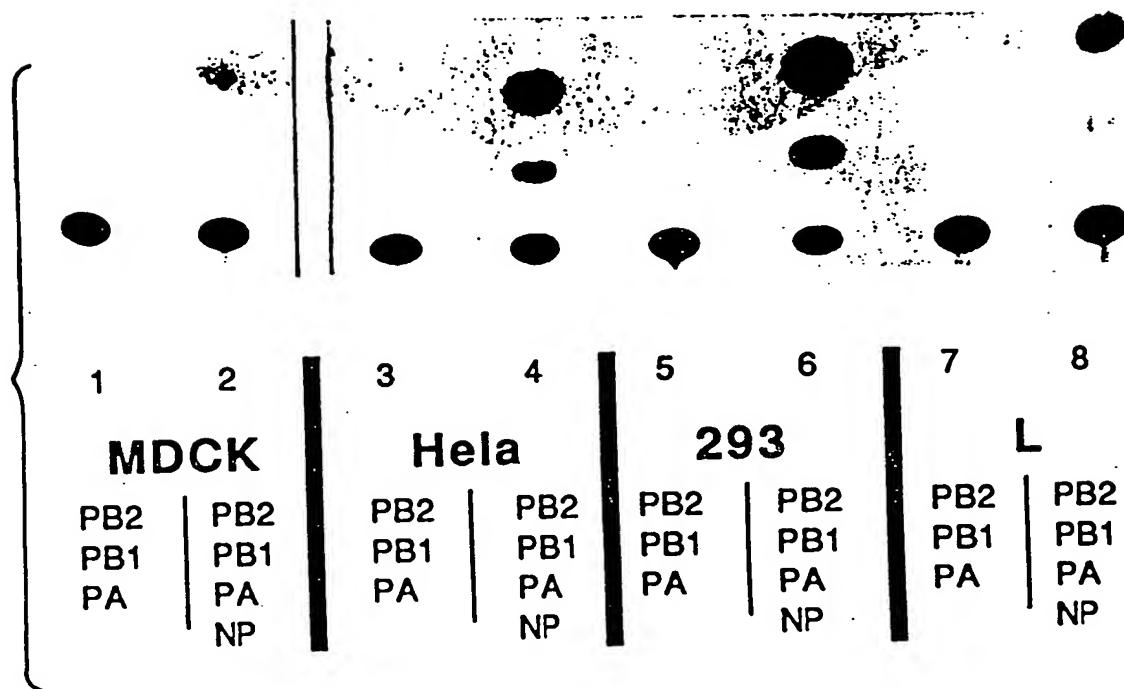


FIG.20B

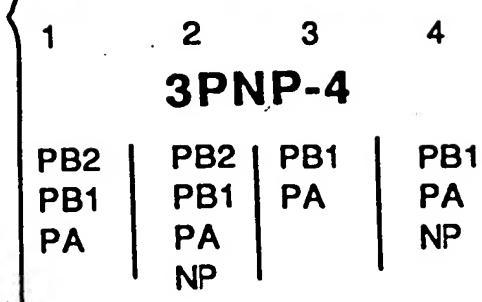
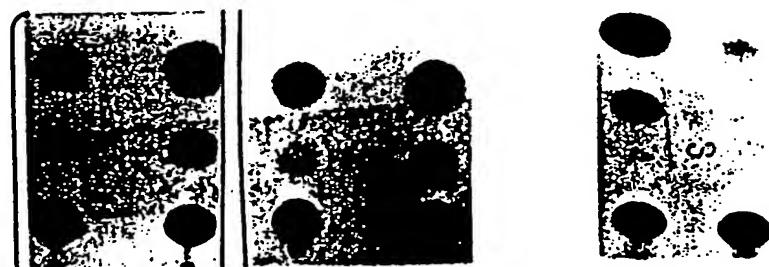


FIG.20C

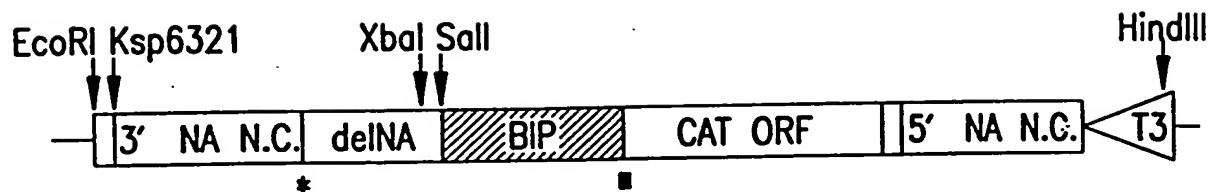


FIG.21A

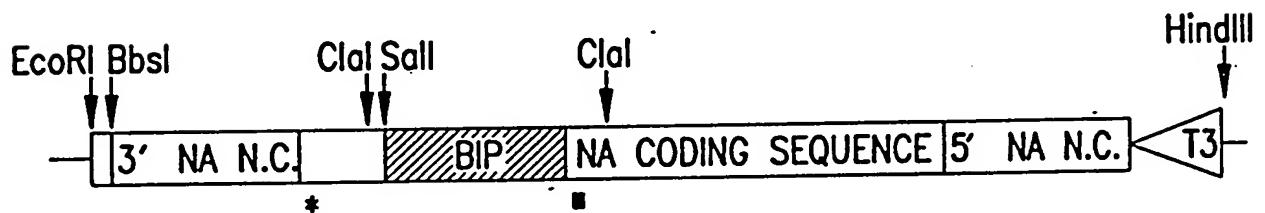


FIG.21B

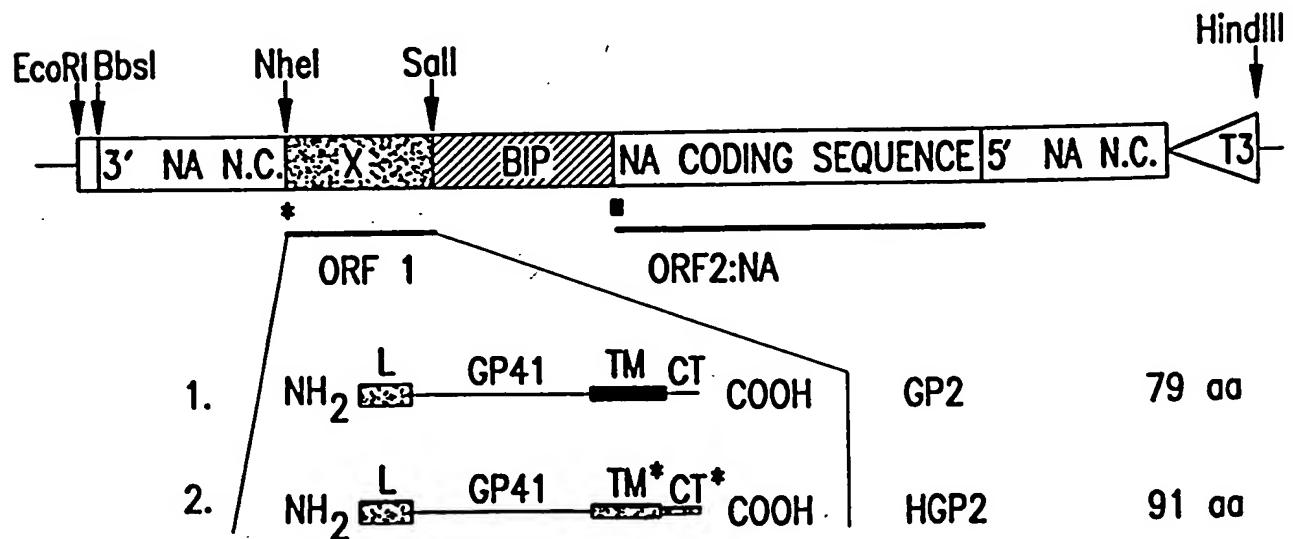


FIG.21C

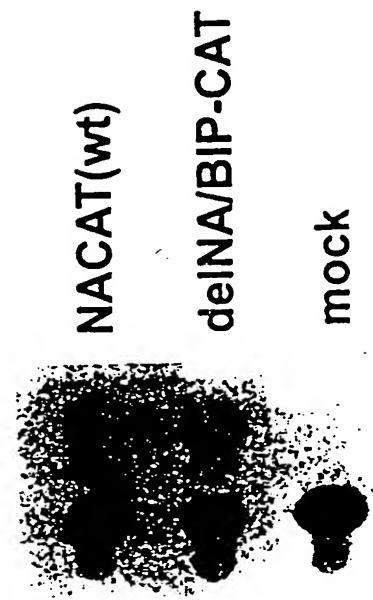


FIG.22

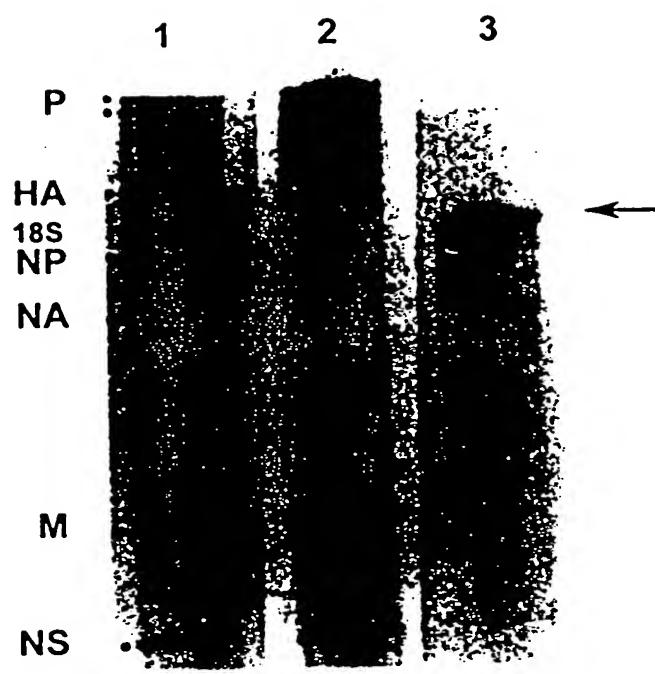


FIG.23

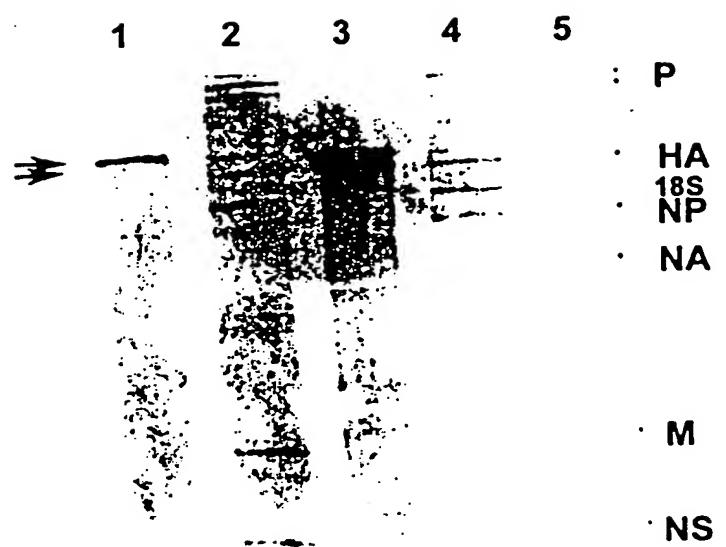


FIG.24

FIG.25A

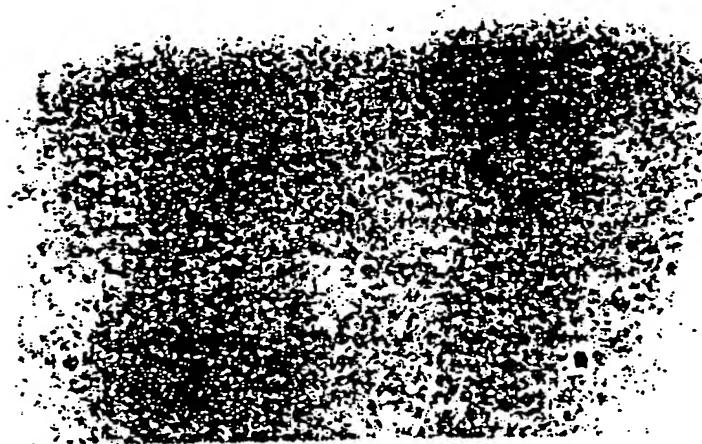


FIG.25B

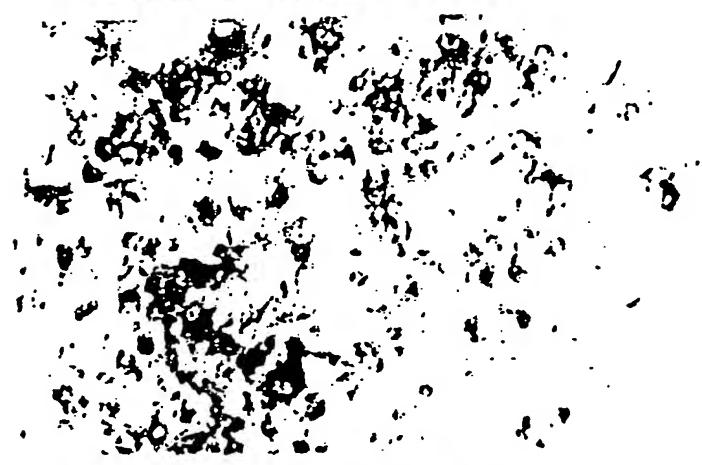


FIG.25C



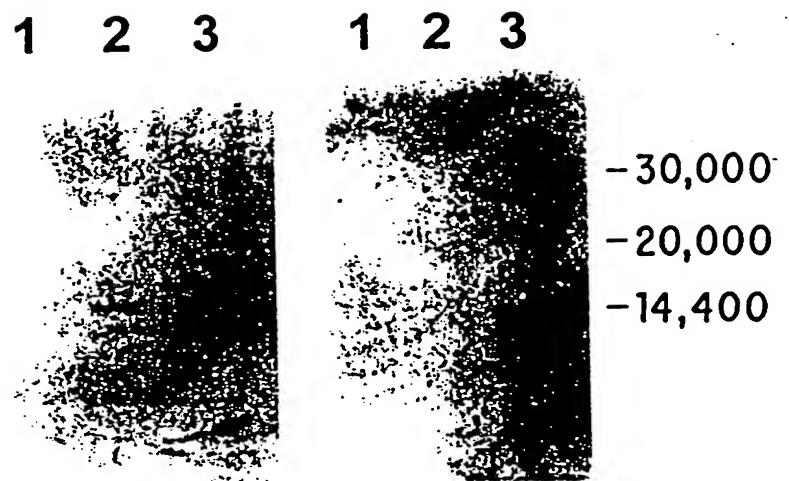


FIG. 26A

FIG. 26B